

### Region F Water User Group (WUG) Second-Tier Identified Water Needs

Second-tier needs are WUG split needs adjusted to include the implementation of recommended demand reduction and direct reuse water management strategies.

	WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
<b>Andrews COUNTY - Colorado BASIN</b>						
Andrews	147	361	619	1,186	1,850	2,650
County-Other	16	43	74	134	192	254
Manufacturing	31	59	87	134	174	209
Mining	909	868	66	0	0	0
Livestock	9	17	25	39	50	60
Irrigation	23	3,034	4,643	5,735	6,658	7,480
<b>Andrews COUNTY - Rio Grande BASIN</b>						
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	658	617	617	617	617	617
<b>Borden COUNTY - Brazos BASIN</b>						
County-Other	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Borden COUNTY - Colorado BASIN</b>						
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Brown COUNTY - Brazos BASIN</b>						
County-Other	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	323	311	311	311	311	311
<b>Brown COUNTY - Colorado BASIN</b>						
Bangs	0	0	0	0	0	0
Brookesmith SUD*	0	0	0	0	0	0
Brownwood	0	0	0	0	0	0
Coleman County SUD*	11	11	10	10	10	10
Early	0	0	0	0	0	0
Zephyr WSC*	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	195	200	199	201	198	197
Livestock	0	0	0	0	0	0
Irrigation	979	751	750	752	749	750
<b>Coke COUNTY - Colorado BASIN</b>						
Bronte	209	207	206	204	204	204
Robert Lee	234	231	228	228	227	227
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0

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	2020	2030	2040	2050	2060	2070
<b>Coleman COUNTY - Colorado BASIN</b>						
Brooksmith SUD*	0	0	0	0	0	0
Coleman	747	741	723	721	720	720
Coleman County SUD*	173	170	164	161	161	161
Santa Anna	0	0	0	0	0	0
County-Other	23	21	21	20	20	20
Manufacturing	2	2	2	2	2	2
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	373	349	349	349	349	349
<b>Concho COUNTY - Colorado BASIN</b>						
Eden	0	0	0	0	0	0
Millersview-Doole WSC	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Crane COUNTY - Rio Grande BASIN</b>						
Crane	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
<b>Crockett COUNTY - Colorado BASIN</b>						
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Crockett COUNTY - Rio Grande BASIN</b>						
Crockett County WCID 1	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Ector COUNTY - Colorado BASIN</b>						
Ector County Utility District	174	0	0	207	557	948
Greater Gardendale WSC	0	74	92	115	140	166
Odessa	1,847	0	0	2,600	6,200	10,235
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Steam Electric Power	109	0	0	114	219	316
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Ector COUNTY - Rio Grande BASIN</b>						
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0

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	2020	2030	2040	2050	2060	2070
<b>Glasscock COUNTY - Colorado BASIN</b>						
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Howard COUNTY - Colorado BASIN</b>						
Big Spring	480	0	0	508	1,094	1,646
Coahoma	43	0	0	48	97	144
County-Other	0	0	0	0	0	0
Manufacturing	147	0	0	153	293	424
Mining	0	0	0	0	0	0
Steam Electric Power	7	0	0	8	26	45
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Irion COUNTY - Colorado BASIN</b>						
Mertzon	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	1,444	1,440	225	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	454	402	349	349	349	349
<b>Kimble COUNTY - Colorado BASIN</b>						
Junction	618	612	601	597	596	596
County-Other	0	0	0	0	0	0
Manufacturing	603	704	704	704	704	704
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	970	837	784	784	784	784
<b>Loving COUNTY - Rio Grande BASIN</b>						
County-Other	0	0	0	0	0	0
Mining	3,381	3,381	2,543	1,427	699	762
Livestock	0	0	0	0	0	0
<b>Martin COUNTY - Colorado BASIN</b>						
Stanton	0	0	0	23	51	79
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Mason COUNTY - Colorado BASIN</b>						
Mason	693	683	675	670	669	669
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>McCulloch COUNTY - Colorado BASIN</b>						
Brady	1,373	1,402	1,383	1,391	1,393	1,395
Millersview-Doole WSC	0	0	0	0	0	0

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	WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
<b>McCulloch COUNTY - Colorado BASIN</b>						
Richland SUD*	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Menard COUNTY - Colorado BASIN</b>						
Menard	206	198	192	191	191	191
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Midland COUNTY - Colorado BASIN</b>						
Airline Mobile Home Park Ltd	0	0	0	0	0	0
Greater Gardendale WSC	0	39	50	62	76	91
Greenwood Water	0	0	0	0	0	0
Midland	0	5,078	8,788	11,718	14,598	17,651
Odessa	36	0	0	63	158	268
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Mitchell COUNTY - Colorado BASIN</b>						
Colorado City	0	115	126	137	150	164
Loraine	0	0	0	0	0	0
Mitchell County Utility	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Steam Electric Power	10,326	10,326	10,326	10,326	10,326	10,326
Livestock	0	0	0	0	0	0
Irrigation	1,328	1,602	1,507	1,389	1,310	1,226
<b>Pecos COUNTY - Rio Grande BASIN</b>						
Fort Stockton	0	0	0	0	0	0
Iraan	0	0	0	0	0	0
Pecos County Fresh Water	0	0	0	0	0	0
Pecos County WCID 1	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	2,961	2,961	2,961	1,566	533	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Reagan COUNTY - Colorado BASIN</b>						
Big Lake	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0

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	2020	2030	2040	2050	2060	2070
<b>Reagan COUNTY - Colorado BASIN</b>						
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Reagan COUNTY - Rio Grande BASIN</b>						
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
<b>Reeves COUNTY - Rio Grande BASIN</b>						
Balmorhea	105	116	127	135	140	145
Madera Valley WSC	0	0	0	0	0	0
Pecos	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	9,518	9,518	9,053	7,007	5,054	3,566
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Runnels COUNTY - Colorado BASIN</b>						
Ballinger	0	0	0	0	0	0
Coleman County SUD*	10	10	10	9	9	9
Miles	16	31	32	36	39	45
Millersview-Doole WSC	0	0	0	0	0	0
North Runnels WSC*	158	155	151	150	150	152
Winters	209	206	197	196	195	195
County-Other	21	19	17	16	16	17
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Schleicher COUNTY - Colorado BASIN</b>						
Eldorado	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Schleicher COUNTY - Rio Grande BASIN</b>						
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Scurry COUNTY - Brazos BASIN</b>						
County-Other	199	209	220	233	250	269
Mining	61	100	106	80	54	37
Livestock	0	0	0	0	0	0
Irrigation	1,365	1,288	1,239	1,238	1,238	1,238
<b>Scurry COUNTY - Colorado BASIN</b>						
Snyder	153	0	0	201	465	721
County-Other	183	183	203	263	328	393
Manufacturing	130	156	156	156	156	156
Mining	161	263	279	210	142	95

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	2020	2030	2040	2050	2060	2070
<b>Scurry COUNTY - Colorado BASIN</b>						
Livestock	0	0	0	0	0	0
Irrigation	4,788	4,511	4,343	4,341	4,339	4,342
<b>Sterling COUNTY - Colorado BASIN</b>						
Sterling City	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Sutton COUNTY - Colorado BASIN</b>						
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Sutton COUNTY - Rio Grande BASIN</b>						
Sonora	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Tom Green COUNTY - Colorado BASIN</b>						
Concho Rural Water	0	0	0	0	0	0
DADS Supported Living Center	0	0	0	0	0	0
Goodfellow Air Force Base	128	182	213	248	288	334
Millersview-Doole WSC	0	0	0	0	0	0
San Angelo	4,326	6,126	7,074	8,232	9,614	11,107
Tom Green County FWSD 3	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	38	144	159	178	198	215
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Upton COUNTY - Colorado BASIN</b>						
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Upton COUNTY - Rio Grande BASIN</b>						
McCamey	0	0	0	0	0	0
Rankin	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0

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	2020	2030	2040	2050	2060	2070
<b>Ward COUNTY - Rio Grande BASIN</b>						
Barstow	0	0	0	0	0	0
Grandfalls	0	0	0	0	150	153
Monahans	0	0	0	0	0	0
Southwest Sandhills WSC	0	0	0	0	0	0
Wickett	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Steam Electric Power	2,352	2,352	2,352	2,352	2,352	2,352
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
<b>Winkler COUNTY - Colorado BASIN</b>						
Livestock	0	0	0	0	0	0
<b>Winkler COUNTY - Rio Grande BASIN</b>						
Kermit	0	0	0	0	0	0
Wink	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0

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Second-tier needs are WUG split needs adjusted to include the implementation of recommended demand reduction and direct reuse water management strategies.

WUG CATEGORY	NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Municipal	12,096	16,748	21,661	30,047	40,192	51,076
COUNTY-OTHER	442	475	535	666	806	953
Manufacturing	951	1,065	1,108	1,327	1,527	1,710
Mining	18,630	18,731	15,432	10,491	6,680	4,657
Steam Electric Power	12,794	12,678	12,678	12,800	12,923	13,039
Livestock	9	17	25	39	50	60
Irrigation	11,261	13,702	14,892	15,865	16,704	17,446